



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 11071307  
SAU: Millinocket School Department  
School: Millinocket Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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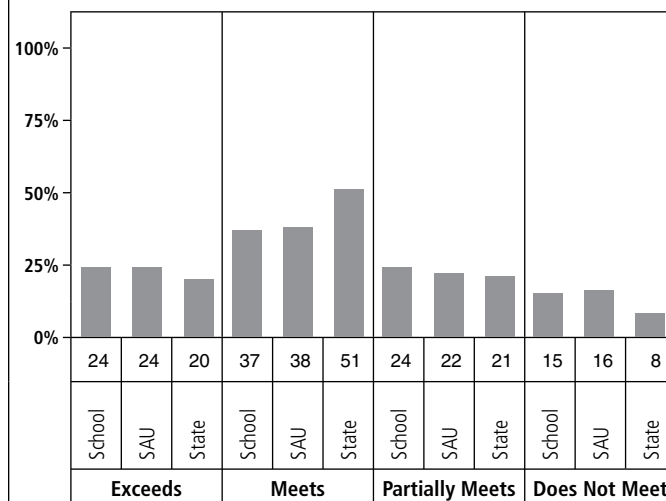
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: Millinocket School Department  
School: Millinocket Middle School

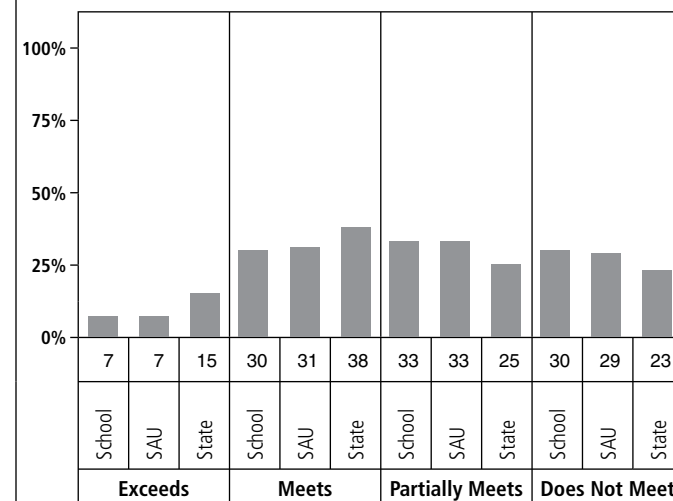
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	849	849	847
2007–2008	840	841	849
<b>2008–2009</b>	<b>847</b>	<b>847</b>	<b>850</b>
Cum. Avg.*	846	846	849
<b>Mathematics</b>			
2006–2007	845	845	842
2007–2008	832	832	841
<b>2008–2009</b>	<b>837</b>	<b>838</b>	<b>843</b>
Cum. Avg.*	839	839	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>844</b>	<b>845</b>	<b>846</b>

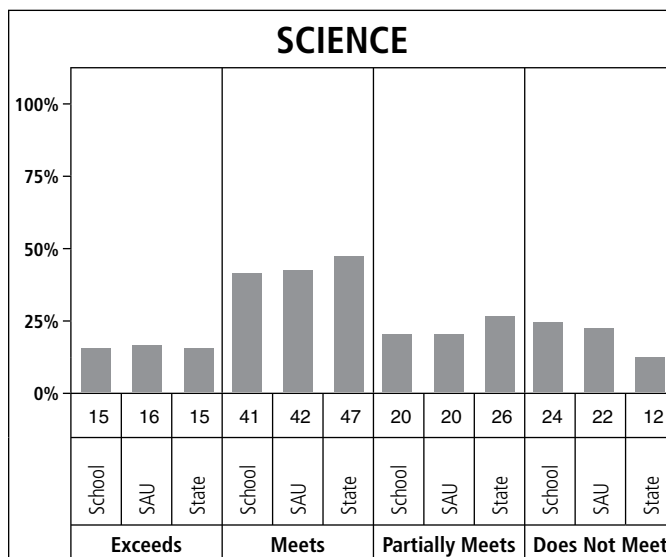
## ELA – READING



## MATHEMATICS



## SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: Millinocket School Department  
School: Millinocket Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%		%		%		%	
<b>Total number of students</b>	46	100	45	100	14804	100	46	100	45	100	14659	99	46	100	45	100	14653	99	46	100	45	100	14626	99
<b>Ethnicity</b> African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	46	100	45	100	13878	94	46	100	45	100	13756	99	46	100	45	100	13742	99	46	100	45	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	9	20	8	18	2489	17	9	100	8	100	2434	99	9	100	8	100	2424	98	9	100	8	100	2418	98
<b>Current LEP</b>	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
<b>Economically disadvantaged</b>	28	61	27	60	5460	37	28	100	27	100	5380	99	28	100	27	100	5377	99	28	100	27	100	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%	
<b>Participation without accommodations</b>	46	100	45	100	12132	82	46	100	45	100	12124	82	46	100	45	100	12169	82
Identified disability (PET/IEP)	9	20	8	18	379	3	9	20	8	18	380	3	9	20	8	18	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
<b>Participation with accommodations</b>	0	0	0	0	2349	16	0	0	0	0	2347	16	0	0	0	0	2288	15
Identified disability (PET/IEP)	0	0	0	0	1877	80	0	0	0	0	1862	79	0	0	0	0	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
<b>Participation through alternate assessment (PAAP)</b>	0	0	0	0	178	1	0	0	0	0	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
<b>Non-participation – other</b>	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Millinocket School Department  
School: Millinocket Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	12	18	12	19	2407	16
	2007-2008	2	4	2	5	3428	23
	<b>2008-2009</b>	<b>11</b>	<b>24</b>	<b>11</b>	<b>24</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	25	16	25	16	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	35	54	35	55	7494	49
	2007-2008	25	52	23	52	7179	48
	<b>2008-2009</b>	<b>17</b>	<b>37</b>	<b>17</b>	<b>38</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	77	48	75	49	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	11	17	11	17	3628	24
	2007-2008	10	21	9	20	2706	18
	<b>2008-2009</b>	<b>11</b>	<b>24</b>	<b>10</b>	<b>22</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	32	20	30	20	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	7	11	6	9	1810	12
	2007-2008	11	23	10	23	1611	11
	<b>2008-2009</b>	<b>7</b>	<b>15</b>	<b>7</b>	<b>16</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	25	16	23	15	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	33.5	59.8	33.7	60.2	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	11.6	58.0	11.6	58.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	21.9	60.8	22.0	61.1	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Millinocket School Department  
 School: Millinocket Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	46	11	24	17	37	11	24	7	15	847	45	24	38	22	16	847	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	46	11	24	17	37	11	24	7	15	847	45	24	38	22	16	847	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	9	0	0	2	22	3	33	4	44	835	8	0	25	25	50	835	2256	2	25	40	34	834
No	37	11	30	15	41	8	22	3	8	850	37	30	41	22	8	850	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	0										0						324	5	34	36	26	838
No	46	11	24	17	37	11	24	7	15	847	45	24	38	22	16	847	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	28	5	18	8	29	11	39	4	14	844	27	19	30	37	15	844	5277	10	46	29	15	844
No	18	6	33	9	50	0	0	3	17	852	18	33	50	0	17	852	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	46	11	24	17	37	11	24	7	15	847	45	24	38	22	16	847	14476	20	51	21	8	850
<b>Gender</b>																						
Female	19	8	42	3	16	5	26	3	16	850	18	44	17	22	17	851	7074	25	51	18	6	852
Male	27	3	11	14	52	6	22	4	15	845	27	11	52	22	15	845	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	46	11	24	17	37	11	24	7	15	847	45	24	38	22	16	847	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	0										0						700	69	30	1	0	867
No	46	11	24	17	37	11	24	7	15	847	45	24	38	22	16	847	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: Millinocket School Department  
School: Millinocket Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	13	1	17	3	50	1	17	1	17	841	13	17	50	17	17	841	8	8	39	29	24	841
B. less than one hour	67	9	29	11	35	5	16	6	19	849	69	29	35	16	19	849	51	17	53	22	8	849
C. one to two hours	17	1	13	2	25	5	63	0	0	844	16	14	29	57	0	845	36	24	52	18	5	852
D. more than two hours	2	0	0	1	100	0	0	0	0	850	2	0	100	0	0	850	5	29	45	18	9	852
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	35	6	38	8	50	2	13	0	0	856	33	40	53	7	0	857	31	35	50	11	4	856
B. good	33	5	33	5	33	4	27	1	7	851	33	33	33	27	7	851	47	16	55	21	7	849
C. fair	30	0	0	3	21	5	36	6	43	833	31	0	21	36	43	833	18	5	47	33	15	842
D. poor	2	0	0	1	100	0	0	0	0	846	2	0	100	0	0	846	3	2	39	37	22	839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	17	1	13	3	38	4	50	0	0	845	16	14	43	43	0	847	32	27	54	14	5	853
B. They match some of what I have learned.	61	9	32	10	36	4	14	5	18	849	62	32	36	14	18	849	52	18	53	22	8	850
C. They match just a little of what I have learned.	17	1	13	3	38	3	38	1	13	845	18	13	38	38	13	845	12	11	45	29	15	844
D. There is no match.	4	0	0	1	50	0	0	1	50	836	4	0	50	0	50	836	4	6	34	33	26	838
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	22	0	0	5	50	4	40	1	10	842	22	0	50	40	10	842	15	13	42	28	17	844
B. about the same as my regular schoolwork	65	9	30	11	37	4	13	6	20	848	64	31	38	10	21	849	64	19	53	20	7	850
C. easier than my regular schoolwork	13	2	33	1	17	3	50	0	0	849	13	33	17	50	0	849	22	25	52	16	6	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	11	1	20	1	20	2	40	1	20	844	9	25	25	25	25	846	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	48	3	14	6	29	6	29	6	29	840	49	14	29	29	29	840	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	41	7	39	9	50	2	11	0	0	856	42	39	50	11	0	856	40	30	53	13	4	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	30	3	23	7	54	3	23	0	0	852	28	25	58	17	0	853	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	57	6	24	7	28	6	24	6	24	845	58	24	28	24	24	845	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	14	1	17	3	50	1	17	1	17	843	14	17	50	17	17	843	7	12	46	27	15	845
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	13	2	33	2	33	1	17	1	17	851	11	40	40	0	20	854	19	26	53	15	6	853
B. 20 minutes to an hour	48	7	32	8	36	6	27	1	5	851	49	32	36	27	5	851	40	25	52	17	6	852
C. less than 20 minutes	15	1	14	2	29	1	14	3	43	838	16	14	29	14	43	838	15	18	51	21	10	849
D. I rarely read at home.	24	1	9	5	45	3	27	2	18	843	24	9	45	27	18	843	26	7	50	30	13	844
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of reading will be useful to me as an adult."</b>																						
A. strongly agree	41	4	21	8	42	6	32	1	5	849	40	22	44	28	6	849	42	27	51	15	6	853
B. agree	48	7	32	7	32	4	18	4	18	849	49	32	32	18	18	849	50	15	53	23	9	848
C. disagree	7	0	0	2	67	1	33	0	0	843	7	0	67	33	0	843	7	8	46	32	14	843
D. strongly disagree	4	0	0	0	0	0	0	2	100	816	4	0	0	0	100	816	2	6	39	35	21	840
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	1	50	1	50	820	100	0	0	50	50	820						
D.	0										0											

E = Exceeds the Standards    M = Meets the Standards    P = Partially Meets the Standards    D = Does Not Meet the Standards  
N = Number

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Millinocket School Department  
School: Millinocket Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	7	11	7	11	1952	13
	2007-2008	1	2	1	2	1657	11
	<b>2008-2009</b>	<b>3</b>	<b>7</b>	<b>3</b>	<b>7</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	11	7	11	7	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	30	46	30	47	5870	38
	2007-2008	12	25	12	27	5956	40
	<b>2008-2009</b>	<b>14</b>	<b>30</b>	<b>14</b>	<b>31</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	56	35	56	37	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	16	25	15	23	3982	26
	2007-2008	16	33	14	32	3729	25
	<b>2008-2009</b>	<b>15</b>	<b>33</b>	<b>15</b>	<b>33</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	47	30	44	29	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	12	18	12	19	3534	23
	2007-2008	19	40	17	39	3579	24
	<b>2008-2009</b>	<b>14</b>	<b>30</b>	<b>13</b>	<b>29</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	45	28	42	27	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	25.2	45.0	25.5	45.5	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	3.5	43.8	3.6	45.0	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	8.0	50.0	8.1	50.6	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	4.0	33.3	4.0	33.3	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	9.6	48.0	9.8	49.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Millinocket School Department  
 School: Millinocket Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	46	3	7	14	30	15	33	14	30	837	45	7	31	33	29	838	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	46	3	7	14	30	15	33	14	30	837	45	7	31	33	29	838	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	9	0	0	0	0	2	22	7	78	822	8	0	0	25	75	824	2242	2	12	22	63	824
No	37	3	8	14	38	13	35	7	19	841	37	8	38	35	19	841	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	0										0						336	6	18	26	51	829
No	46	3	7	14	30	15	33	14	30	837	45	7	31	33	29	838	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	28	0	0	6	21	12	43	10	36	833	27	0	22	44	33	834	5270	6	30	28	36	835
No	18	3	17	8	44	3	17	4	22	844	18	17	44	17	22	844	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	46	3	7	14	30	15	33	14	30	837	45	7	31	33	29	838	14466	15	38	25	23	843
<b>Gender</b>																						
Female	19	2	11	6	32	4	21	7	37	838	18	11	33	22	33	840	7070	15	39	25	22	843
Male	27	1	4	8	30	11	41	7	26	837	27	4	30	41	26	837	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	46	3	7	14	30	15	33	14	30	837	45	7	31	33	29	838	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	0										0						700	68	27	3	1	866
No	46	3	7	14	30	15	33	14	30	837	45	7	31	33	29	838	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: Millinocket School Department  
School: Millinocket Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	13	1	17	0	0	2	33	3	50	835	13	17	0	33	50	835	8	8	24	24	44	833
B. less than one hour	67	2	6	11	35	10	32	8	26	838	69	6	35	32	26	838	51	12	38	26	23	842
C. one to two hours	17	0	0	3	38	2	25	3	38	836	16	0	43	29	29	841	36	19	40	23	19	845
D. more than two hours	2	0	0	0	0	1	100	0	0	838	2	0	0	100	0	838	5	19	36	22	23	844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	22	3	30	6	60	1	10	0	0	855	22	30	60	10	0	855	28	33	41	15	11	852
B. good	54	0	0	7	28	11	44	7	28	836	56	0	28	44	28	836	45	11	43	25	21	842
C. fair	24	0	0	1	9	3	27	7	64	825	22	0	10	30	60	827	21	3	27	35	35	834
D. poor	0										0						5	2	14	30	54	828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	24	1	9	6	55	4	36	0	0	846	24	9	55	36	0	846	28	23	41	21	15	848
B. They match some of what I have learned.	63	2	7	6	21	9	31	12	41	834	62	7	21	32	39	835	52	13	40	25	21	843
C. They match just a little of what I have learned.	13	0	0	2	33	2	33	2	33	836	13	0	33	33	33	836	16	8	28	30	34	836
D. There is no match.	0										0						4	5	15	22	58	826
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	22	0	0	2	20	4	40	4	40	833	22	0	20	40	40	833	32	6	34	29	32	837
B. about the same as my regular schoolwork	74	3	9	10	29	11	32	10	29	838	73	9	30	33	27	839	52	13	41	25	20	843
C. easier than my regular schoolwork	4	0	0	2	100	0	0	0	0	847	4	0	100	0	0	847	16	39	35	13	13	853
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	30	2	14	6	43	4	29	2	14	845	29	15	46	31	8	848	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	59	1	4	7	26	9	33	10	37	835	60	4	26	33	37	835	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	11	0	0	1	20	2	40	2	40	831	11	0	20	40	40	831	7	12	27	27	35	837
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	22	1	10	1	10	4	40	4	40	834	20	11	11	44	33	837	34	18	40	22	20	845
B. two or three days a week	54	1	4	9	36	8	32	7	28	838	56	4	36	32	28	838	35	14	38	26	21	843
C. two or three times each month	17	1	13	2	25	3	38	2	25	839	18	13	25	38	25	839	18	12	37	27	24	841
D. never or almost never	7	0	0	2	67	0	0	1	33	844	7	0	67	0	33	844	13	9	32	25	34	837
<b>How often do you use laptops in mathematics class?</b>																						
A. almost every day	74	2	6	11	32	12	35	9	26	839	73	6	33	36	24	840	9	13	38	23	26	841
B. two or three days a week	20	1	11	1	11	3	33	4	44	834	20	11	11	33	44	834	17	11	37	26	26	841
C. two or three times each month	7	0	0	2	67	0	0	1	33	833	7	0	67	0	33	833	28	15	40	25	20	844
D. never or almost never	0										0						46	16	36	24	23	843
<b>How do you feel about the following statement?</b> "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	46	2	10	9	43	6	29	4	19	842	44	10	45	30	15	844	52	19	41	22	18	846
B. agree	46	1	5	4	19	7	33	9	43	833	47	5	19	33	43	833	39	11	35	27	27	840
C. disagree	9	0	0	1	25	2	50	1	25	835	9	0	25	50	25	835	6	7	28	26	39	835
D. strongly disagree	0										0						3	4	25	28	43	832
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	1	50	1	50	829	100	0	0	50	50	829						
D.	0										0											

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Millinocket School Department  
School: Millinocket Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	7	15	7	16	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	19	41	19	42	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	9	20	9	20	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	11	24	10	22	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	31.1	55.5	31.4	56.1	32.0	57.1
<b>D. The Physical Setting</b>	31	55	16.3	52.6	16.5	53.2	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	8.7	51.2	8.8	51.8	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	7.7	55.0	7.7	55.0	7.7	55.0
<b>E. The Living Environment</b>	25	45	14.7	58.8	15.0	60.0	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Millinocket School Department  
 School: Millinocket Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	46	7	15	19	41	9	20	11	24	844	45	16	42	20	22	845	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	46	7	15	19	41	9	20	11	24	844	45	16	42	20	22	845	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	9	1	11	2	22	1	11	5	56	832	8	13	25	13	50	833	2221	3	22	36	38	832
No	37	6	16	17	46	8	22	6	16	848	37	16	46	22	16	848	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	0										0						331	4	20	39	37	832
No	46	7	15	19	41	9	20	11	24	844	45	16	42	20	22	845	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	28	2	7	11	39	5	18	10	36	839	27	7	41	19	33	840	5184	6	40	33	21	840
No	18	5	28	8	44	4	22	1	6	852	18	28	44	22	6	852	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	46	7	15	19	41	9	20	11	24	844	45	16	42	20	22	845	14258	15	47	26	12	846
<b>Gender</b>																						
Female	19	1	5	8	42	3	16	7	37	841	18	6	44	17	33	842	6953	14	47	28	11	846
Male	27	6	22	11	41	6	22	4	15	847	27	22	41	22	15	847	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	46	7	15	19	41	9	20	11	24	844	45	16	42	20	22	845	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	0										0						699	65	34	2	0	865
No	46	7	15	19	41	9	20	11	24	844	45	16	42	20	22	845	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: Millinocket School Department  
School: Millinocket Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	13	2	33	2	33	0	0	2	33	848	13	33	33	0	33	848	8	8	34	28	30	837
B. less than one hour	67	5	16	14	45	6	19	6	19	846	69	16	45	19	19	846	51	14	48	27	11	846
C. one to two hours	17	0	0	3	38	2	25	3	38	838	16	0	43	29	29	840	36	19	48	24	9	848
D. more than two hours	2	0	0	0	0	1	100	0	0	834	2	0	0	100	0	834	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	28	6	46	5	38	1	8	1	8	859	29	46	38	8	8	859	23	27	47	17	8	851
B. good	43	1	5	10	50	6	30	3	15	844	42	5	53	32	11	846	53	15	50	26	10	847
C. fair	24	0	0	4	36	2	18	5	45	833	24	0	36	18	45	833	20	4	43	35	18	840
D. poor	4	0	0	0	0	0	0	2	100	817	4	0	0	0	100	817	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	30	2	14	9	64	2	14	1	7	853	31	14	64	14	7	853	26	20	49	23	9	849
B. They match some of what I have learned.	54	5	20	7	28	7	28	6	24	842	53	21	29	29	21	843	51	14	48	26	11	846
C. They match just a little of what I have learned.	13	0	0	3	50	0	0	3	50	835	13	0	50	0	50	835	18	13	44	28	15	844
D. There is no match.	2	0	0	0	0	0	0	1	100	826	2	0	0	0	100	826	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	30	0	0	8	62	1	8	4	31	840	30	0	62	8	31	840	32	13	45	28	14	844
B. about the same as my regular schoolwork	55	6	25	6	25	8	33	4	17	846	53	26	26	35	13	847	56	15	49	25	11	847
C. easier than my regular schoolwork	16	1	14	5	71	0	0	1	14	853	16	14	71	0	14	853	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	39	3	17	9	50	2	11	4	22	847	38	18	53	12	18	849	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	54	4	16	9	36	7	28	5	20	844	56	16	36	28	20	844	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	7	0	0	1	33	0	0	2	67	828	7	0	33	0	67	828	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	24	1	9	5	45	3	27	2	18	841	22	10	50	30	10	844	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	26	3	25	5	42	3	25	1	8	852	27	25	42	25	8	852	23	17	49	22	12	847
C. the course(s) described in B, plus physics	15	3	43	3	43	0	0	1	14	855	16	43	43	0	14	855	21	31	44	17	7	852
D. a life science and physical science class	35	0	0	6	38	3	19	7	44	836	36	0	38	19	44	836	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	26	6	50	6	50	0	0	0	0	864	27	50	50	0	0	864	27	23	47	20	10	849
B. agree	43	1	5	9	45	5	25	5	25	839	44	5	45	25	25	839	37	14	47	27	12	846
C. disagree	20	0	0	2	22	3	33	4	44	834	18	0	25	38	38	836	25	11	48	29	12	845
D. strongly disagree	11	0	0	2	40	1	20	2	40	835	11	0	40	20	40	835	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	36	6	38	7	44	1	6	2	13	856	36	38	44	6	13	856	31	22	46	22	10	849
B. agree	44	1	5	10	50	6	30	3	15	843	43	5	53	32	11	844	50	14	49	26	11	846
C. disagree	13	0	0	1	17	2	33	3	50	831	14	0	17	33	50	831	14	9	45	31	15	843
D. strongly disagree	7	0	0	1	33	0	0	2	67	829	7	0	33	0	67	829	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	0	0	2	100	826	100	0	0	0	100	826						
D.	0										0											

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number